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SEARCH REQUEST FORM

Scientific and Technical Information Center

| Requester's Full Name: | | Examiner#: | Date: |
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| Art Unit: Pho | one Number 30 | Serial Number: | |
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| Title of Invention: | | | |
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| Earliest Priority Filing Date: _ | • | · · · · · · · · · · · · · · · · · · · | |
| *For Sequence Searches Only* Please appropriete serial number. | include all pertinent informa | tion (parent, child, divisional, or issued po | tent numbers) along with the |
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| ercher: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | NA Sequence (#) | STN | |
| archer Phone #: 2750 | 4 AA Sequence (#) L | Dialog | |
| earcher Location: | Structure (#) | Questel/Orbit | |
| ie Searcher Picked Up: 3/10/ | Bibliographic | Dr.Link | |
| ite Completed: 3)20\$ | Litigation | Lexis/Nexis | |
| archer Prep - Review Time: | Fulltext | Sequence Systems | |
| orical Prep ime: | Patent Family | WWW/internet | |
| white Time | Other | Other (specify) | |

PTO-1590 (8-01)



STIC Search Report Biotech-Chem Library

STIC Database Tracking Number: 146331

TO: Ilia Ouspenski Location: 3d74/3c70

Wednesday, March 02, 2005

Art Unit: 1644 Phone: 272-2920

Serial Number: 10 / 032214

From: Jan Delaval

Location: Biotech-Chem Library

Rem 1a51

Phone: 272-2504

jan.delaval@uspto.gov

| Search Notes | |
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From:

Sent:

Ouspenski, Ilia Tuesday, March 01, 2005 9:21 AM Delaval, Jan

To:

Subject:

seq search for 10/032,214

Dear jan,

please search amino acid seq id no:278 for 10032214.

thanks,

ilia

ILIA OUSPENSKI, Ph.D. Examiner Art Unit 1644 Phone:571-272-2920 **REM 3D74** Mailstop 3c70

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N;Alternate names: B70 glycoprotein; CD86 antigen; CTLA-4 counter-receptor
C;Species: Homo sapiens (man)
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 09-Jul-2004
C;Accession: A48754; 339055
R;Freeman, G.J.; Gribben, J.G.; Boussiotis, V.A.; Ng, J.W.; Restivo Jr., V.A.; Lombard, Science 262, 909-911, 193
A;Title: Cloning of B7-2: a CTLA-4 counter-receptor that costimulates human T cell prolicing of B7-2: a CTLA-4 counter-receptor that costimulates human T cell prolicing of B7-2: a CTLA-4 counter-receptor that costimulates human T cell prolicing A48754; MUID:94053735; PMID:7694363
A;Reference number: A48754; MUID:94053735; PMID:7694363
A;Recession: A48754
A;Residues: D; A48754; MUID:94053735; PMID:7694363
A;Residues: 1-329 <FRE>
A;Residues: 1-329 <FRE>
A;Cross-references: UNIPROT:P42081; GB:L25259; NID:9416368; PIDN:AAA58389.1; PID:9416369
A;Cross-references: UNIPROT:P42081; GB:L25259; NID:9416368; PIDN:AAA58389.1; PID:9416369
A;Note: it 1s uncertain whether Met-1 or Met-7 is the initiator
R;Azuma, M.; Ito, D.; Yagita, H.; Okumura, K.; Phillips, J.H.; Lanier, L.L.; Somoza, C.
Nature 366, 76-79, 193
A;Title: B70 antigen is a second ligand for CTLA-4 and CD28.
A;Reference number: S39055; MUID:94050123; PMID:7694153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Title: Structure, expression, and T cell costimulatory activity of the murine homol A;Reference number: $17291; MUID:91341422; PMID:1714935

A;Recession: $17291

A;Mccession: $17291

A;Mccession: $17291; MUID:91341422; PMID:1714935

A;Cession: $1.274,'R',279-309 <FRE>
A;Cross-references: EMBL:XX0958; NID:950111; PIDN:CAA43291.1; PID:950112

R;Inobe, M.; Linsley, P.S.; Ledbetter, J.A.; Nagai, Y.; Tamakoshi, M.; Uede, T.
Biochem. Biophys. Res. Commun. 200, 443-449, 1994

A;Title: Identification of an alternatively spliced form of the murine homologue of B,Reference number: 149521; MUID:94220123; PMID:7513163

A;Accession: 149521

A;Status: translated from GB/EMBL/DDBJ

A;Residues: 1-143,238-274,'R',279-309 <RE2>
A;Cross-references: GB:D16220; NID:g505178; PIDN:BAA03748.1; PID:g994769

C;Genetics:
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A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-309 <RES
A;Cross-references: UNIPROT:Q00609; UNIPROT:Q61332; GB:L12589; NID:g293299;
A;Cross-references: UNIPROT:Q00609; UNIPROT:Q61332; GB:L12589; NID:g293299;
R;Freeman, G.J.; Gray, G.S.; Gimmi, C.D.; Lombard, D.B.; Zhou, L.J.; White,
T. Exp. Med. 174; 625-631, 1991
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A;Inttons: 37/1; 143/1; 237/1; 275/1
A;Inttons: 37/1; 143/1; 237/1; 275/1
C;Superfamily: B-lymphocyte restricted
C;Keywords: alternative splicing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EVTLSVKADFPTPSISDFEIPTSNIRRIICSTSGGFPEPHLSWLENGEELNAINTTVSQD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VLSVIAGKLKVWPEYKNRTLYDNT-TYSLIILGLVLSDRGTYSCVVQKKERGTYEVKHLA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CPRL-ILLEVILIRLSQVSSDVDEQLSKSVXDKVLLPCRYNSPHEDESEDRIYWQXHDKV
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M.; Fingerot
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A; Residues: C; Comment: Tl C; Genetics:
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A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 7-329 <AZU>
A;Cross-references: GB:U04343; NID:g439838; PIDN:AAB03814.1; PID:g439839
C;Genetics:
A;Gene: GDB:CD86; CD28LG2
A;Gene: GDB:CD86; CD28LG2
A;Gene: GDB:G33597; OMIM:601020
A;Map position: 3g13.3-3421
C;Superfamily: B7-2 antigen
C;Keywords: glycoprotein
                                                                                                                                                                                                                                                                                                                                                                                                                            CD86 spliced variant CD86 deltaTM isoform - human C;Species: Homo sapiens (man) C;Species: Homo sapiens (man) C;Jate: 30-Jun-2001 #sequence_revision 30-Jun-2001 #text_charcipate: 30-Jun-2001 #sequence_revision 30-Jun-2001 #text_charcipate: Jeannin, P.; Bo;Caccession: JC7604
R;Magistrelli, G.; Caron, G.; Gauchat, J.F.; Jeannin, P.; Bo;Biochem. Biophys. Res. Commun. 280, 1211-1215, 2001
A;Title: Identification of an alternatively spliced variant A;Reference number: JC7604; MUID:21092744; PMID:11162656
A;Accession: JC7604
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C;Superfamily: B-lym
C;Keywords: immune 1
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Best Local &
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;Date: 30-Jun-2001 #sequence_revision 30-Jun-2001 #text_change 18-Nov-2002
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                                                                                                                                                                                                                                                                                       Keywords: immune response
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                                      60 NEVYLGKEKFDSVHSKYMGRTSFD-SDSWTLRLHNLQIKDKGLYQCIIHHKKPTGMIRIH
                                                                                                                                                            19 FFQLLVLAGLSHFCSGVIHVTKEVKEVATLSC----GHNVSVEELAQTRIYWQKEKKMVL
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78; Conserv
                                                                                                                                                                                                                      Similarity
                                                                             TMM----SGDMNIWPEYKNRTIFDITNNLSIVILALRPSDEGTYECVVLKYEKDAFKREH
                                                                                                                    FVMAFLLSG----AAPLKIQAYFNETADLPCQFANSQNQSLSELV---VFWQDQENLVL
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LAEVTLSVKADFPTPSISDFEIPTSNIR----
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25.1%; Pred. No. 3.7e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 57;
                                                                                                                                                                                                                      Score 186.5; DB 2
Pred. No. 4.3e-07;
                                                                                                                                                                                                     Mismatches
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-RIICSTSGGFPEP-HLSWLENGEELNA 184
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